

Converting Colors

$Y_{xy}(45.2573, 0.3147, 0.4276)$

Have a look what the booklet for
Yxy(45.2573, 0.3147, 0.4276)
contains.

Yxy(45.3763, 0.3141, 0.4275) 3

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Color

Yxy(45.3763, 0.3141, 0.4275)

Conversions

Conversions Part 1	
Format	Color
Hex	88C280
RGB	136, 194, 128
RGB Percent	53%, 76%, 50%
CMY	0.4667, 0.2392, 0.4980
CMYK	0.30, 0.00, 0.34, 0.24
HSL	113°, 35%, 63%
HSV	113°, 34%, 76%
XYZ	33.3396, 45.3763, 27.4275
YIQ	169.1340, -13.3820, -32.8220

Conversions

Conversions Part 2

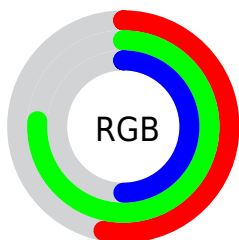
Format	Color
RYB	128, 194, 186
Decimal	8962688
CIELab	73.14, -31.60, 27.38
CIELCh	73, 41.808, 139.092
Yxy	45.3763, 0.3141, 0.4275
Android (android.graphics.Color)	4287152768 (0xFF88C280)
YUV	169.1340, -20.2791, -29.0585
Hunter-Lab	67.3619, -29.5379, 23.0125

Details

The Yxy color **45.3763, 0.3141, 0.4275** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.7814, 0.3084, 0.2435**, and the grayscale version is **39.8526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4069, 0.3151, 0.4085**, and **21.1910, 0.3123, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **43.5990, 0.3137, 0.4616**, and if you desaturate by 10%, it is **47.4825, 0.3140, 0.3951**.

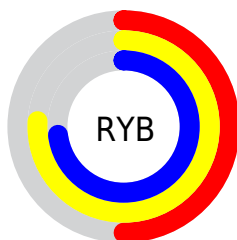
Distribution



Red (53%)

Green (76%)

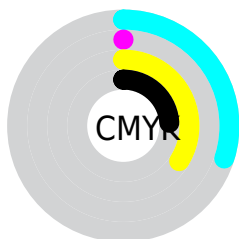
Blue (50%)



Red (50%)

Yellow (76%)

Blue (73%)

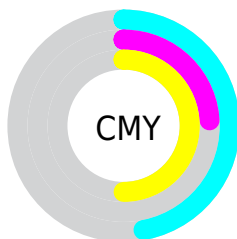


Cyan (30%)

Magenta (0%)

Yellow (34%)

Black (24%)



Cyan (47%)


Magenta (24%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3763, 0.3141, 0.4275 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.3763, 0.3141, 0.4275 by changing the saturation by 10% instead.


 45.3763, 0.3141,
0.4275

 45.3763, 0.3141,
0.4275


368.2955, 0.3149,
0.3756

 31.7539, 0.3133,
0.4413


 83.2848, 0.3148,
0.4080

 21.1736, 0.3120,
0.4594


 108.3397, 0.3149,
0.4009

 13.2510, 0.3094,
0.4842


 137.9743, 0.3150,
0.3949

 7.6016, 0.3044,
0.5200

172.5729, 0.3150,
0.3899

 3.8411, 0.2936,
0.5754

212.5199, 0.3150,
0.3855

 1.5851, 0.2783,
0.7217


258.1997, 0.3150,

 0.3475, 0.0000,

0.3818


1.0000


309.9968, 0.3150,
0.3785

 0.0000, 0.0000,
0.0000


 45.3763, 0.3141,
0.4275


 45.3763, 0.3141,
0.4275


 43.5990, 0.3137,
0.4616


 47.4825, 0.3140,
0.3951


 42.1284, 0.3129,
0.4961

 49.9269, 0.3136,
0.3654


 40.9487, 0.3114,
0.5286


 52.7256, 0.3130,
0.3388

 40.0404, 0.3094,
0.5569

 55.8921, 0.3122,
0.3153

 39.3814, 0.3069,
0.5785

 59.4390, 0.3114,
0.2948

 38.9461, 0.3043,
0.5923

 63.3784, 0.3105,
0.2769

 38.7739, 0.3030,
0.5976

 67.0667, 0.3155,
0.2693

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3763, 0.3708, 0.4350



45.3763, 0.3141, 0.4275



45.3763, 0.2598, 0.3837

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.3763, 0.3141, 0.4275



45.3763, 0.2174, 0.2434



45.3763, 0.4115, 0.3228

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.3763, 0.3141, 0.4275



29.7814, 0.3084, 0.2435

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.3763, 0.3626, 0.2813



45.3763, 0.3141, 0.4275



45.3763, 0.2502, 0.2371

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.3763, 0.3141, 0.4275



45.3763, 0.2075, 0.2725



45.3763, 0.3023, 0.2509



45.3763, 0.4305, 0.3684

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3763, 0.3141, 0.4275



45.3763, 0.2322, 0.3435



45.3763, 0.3023, 0.2509



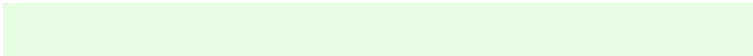
45.3763, 0.3978, 0.3081

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.3782, 0.3141, 0.4275



92.3260, 0.3134, 0.3548



47.8141, 0.3668, 0.4028



20.0631, 0.3135, 0.3587



0.0000, 0.0000, 0.0000



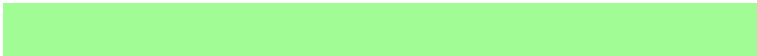
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3782, 0.3141, 0.4275



79.6950, 0.3139, 0.4535



45.4509, 0.2918, 0.3914



11.3158, 0.3134, 0.3527



25.5100, 0.3034, 0.5973



1.1219, 0.3140, 0.5889

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.7814, 0.3084, 0.2435



47.0517, 0.3069, 0.2246



29.8073, 0.3422, 0.2741



10.1838, 0.3119, 0.3062



8.2460, 0.2910, 0.1376



0.3740, 0.2981, 0.1416

Previews

White Background



This preview shows how the Yxy color 45.3763, 0.3141, 0.4275 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.3763, 0.3141, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3763, 0.3141, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 45.3763, 0.3141, 0.4275.

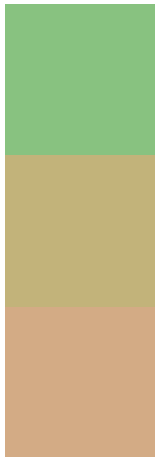


This preview shows how white text looks on a background with the Yxy color 45.3763, 0.3141, 0.4275.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.3763, 0.3141, 0.4275

Protanopia

45.1147, 0.3742, 0.4031

Deuteranopia

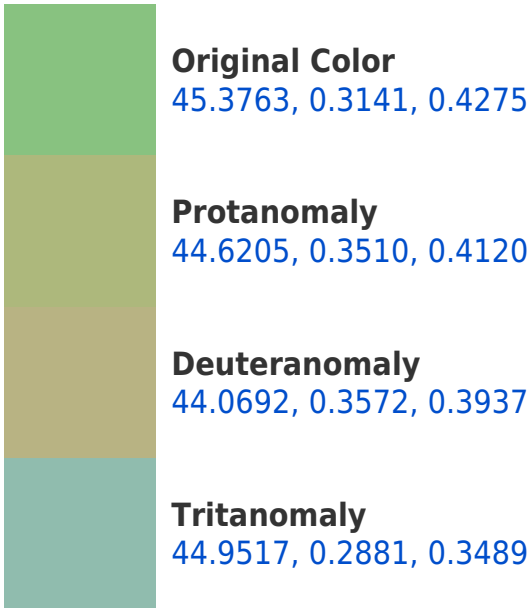
44.6682, 0.3846, 0.3762



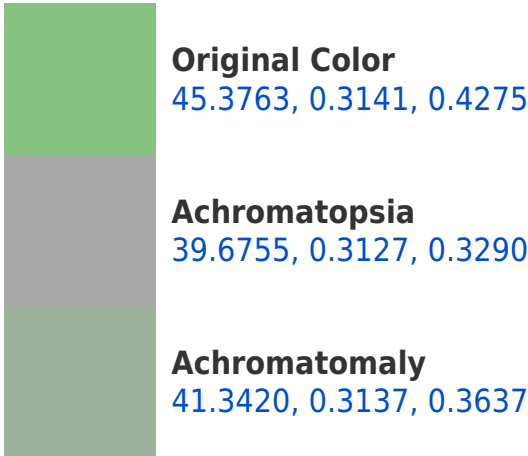
Tritanopia

45.2576, 0.2738, 0.3085

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3763, 0.3141, 0.4275 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 194, 128)` looks like.

```
.text, #text, p{  
    color:rgb(136, 194, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 194, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 194, 128) }
```

Border

The CSS property to change the border of an element to Yxy 45.3763, 0.3141, 0.4275 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 194, 128) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(136, 194, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(136, 194, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 194, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 194, 128);  
box-shadow:4px 4px 4px 4px rgb(136, 194,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3763, 0.3141, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 194, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136,  
194, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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